

# GUAC

Prescott AMA

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Preliminary DRAFT 4MP  
Total GPCD Program

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- The director will include two regulatory programs for Large Municipal Providers in the 4MP
  - a *non per capita conservation program* which requires the implementation of water conservation measures
  - a *per capita conservation program* with a GPCD requirement or target for municipal providers who are not regulated under the non-per capita program

# Who Will be in the Total GPCD?

- Large municipal providers who hold a DAWS will initially be noticed under the Total GPCD Program for the 4MP
- Large municipal providers who do NOT have a DAWS will only be eligible for the NPCCP

# DAWS Providers Opting into the NPCCP

- After the initial notice of conservation requirements is received a DAWS provider may opt into the NPCCP
- DAWS providers opting into the NPCCP will be required to submit an updated provider profile within a certain number of days after requesting regulation under the NPCCP

# The 4MP GPCD Program

- The component method will not be used in the 4MP
- Instead, a single, unchanging GPCD target will be assigned each DAWS provider
- This target will be effective from the first compliance date of the 4MP until the first compliance date of any substitute requirement in the 5MP



# Why the Change?

- Component method is administratively cumbersome
- Difficult for providers to know what their targets are
- More streamlined program will allow ADWR to focus its staff time and efforts on finding solutions to water management problems

# The 4MP GPCD Program

- The draft program does not include any changes to municipal flexibility account provisions (max credit and debit limits from 3MP)
- The draft program does not include any changes to water supplies exempted from the compliance calculation (spill water, direct use reclaimed water, reclaimed water recovered within the AOI)



# The 4MP GPCD Program

- The draft target calculation method uses statistical analysis of 2000-2009 total water demand, including all sources of supply used by the provider
- The “base target” would be the 2000-2009 median GPCD minus one standard deviation
- The base target would not be set lower than a minimum value

# The 4MP GPCD Program

- The minimum target would be calculated based on:
  - The 3MP new SF model
  - The provider's 3MP non-residential component
  - 10% lost and unaccounted for water

# Additional Conservation

- The target is assumed to be the lowest GPCD rate the provider can reasonably achieve, however:
  - Recent studies indicate that residential GPCD rates lower than the 3MP models can be achieved
  - Many providers have averaged non-residential GPCD rates much lower than their non-residential component targets between 2000-2009
  - Many providers have lost and unaccounted for water percentages much lower than 10%

# The 4MP GPCD Program Compliance

- Each year, as with the current 3MP program, “actual GPCD” will be compared to the target GPCD and flex account balances adjusted
- Actual GPCD = total water demand excluding those supplies exempted from the compliance calculation – spill, direct use effluent, effluent recovered within the AOI, divided by the annual service area population

# Population

- Annual Population Estimates
  - 2010 US Census base
  - Housing units added since 2010 x persons per occupied housing unit
    - Occupied housing units by unit type and persons per housing unit by unit type are from the U.S. Census American Community Survey (ACS)
    - ACS sample data is at the tract level, using tracts that most closely correspond to the provider's service area (water lines) boundary

# GPCD Requirements for DAWS Providers

Provider	2000-2009 Median GPCD	Median Minus 1 Standard Deviation	Minimum GPCD
City of Prescott	189	173	110